



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Rabbit Anti-Human Adrenocorticotrophic Hormone / ACTH With HRP Conjugated Secondary Antibody

Catalog No.	Species	Isotype
DS-PB-00063	Human	Polyclonal IgG

Preparation

Preparation Antisera to human ACTH were raised by repeated immunization of rabbits with highly purified antigen.

Immunogen Synthetic human ACTH

Specificity

This antibody recognizes human adrenocorticotrophin (ACTH), a 39 amino acid cleavage product from pro-opiomelanocortin (POMC) which elicits a classic glucocorticoid response from the adrenal glands in situations of stress. ACTH is produced in the pituitary, and also by lymphocytes and macrophages. In immunohistology this antibody stains corticotroph cells of the pituitary gland and benign and malignant tumors arising from these cells.

Formulation

Product Type Polyclonal Antibody

Product Form Serum - liquid, ready to use

Preservative Stabilizers 0.09% Sodium Azide (NaN₃), 1% Bovine Serum Albumin.

Buffer Solution Phosphate buffered saline

Storage

Store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - frozen	.			Neat
Immunohistology - paraffin	.			Neat

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Immunohistology

This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

Histology Positive Control: Tissue Pituitary gland

Secondary Antibody Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

4. (0) GenBank Accession Number_NP_005772

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**